



MASTERSEAL PLUS™

IP66 Ingress Protected



Thrive in the Toughest Conditions.

ULTIMATE PROTECTION FOR THE GREAT BRITISH WEATHER

MK ELECTRIC HAS ALWAYS BEEN AT THE FOREFRONT OF TECHNICAL INNOVATION, NOT LEAST IN THE IP ENVIRONMENT.

Masterseal Plus™ has been tested to levels well in excess of British Standards. Masterseal Plus™ safeguards users in the harshest of environments, employing a gel seal for improved protection.

With a superb rating of IP66, Masterseal Plus™ is dust-tight to any ingress, and water-tight against high-pressure water jets from any direction.

HOW TO SPECIFY

A range of water and dust tight enclosures, rated at IP66 when in use, manufactured from UV stable thermoplastic material and utilising a gel gasket seal and easy to open catch mechanism.

To enable quick and easy installation the seal will be fixed to the mounting frame of the unit.

Containing a urea moulded anti-bacterial range of wiring accessories, designed with soft curves and chamfered top edges that offer a slim unobtrusive appearance.

Cable connections must be upward facing with easy to identify white markings on a dark background, grouped in a straight line with captive terminal screws for ease of installation.

All standard BS sockets to have a 3 pin operated "child Resistant" shutter system and double pole switching, with the contacts designed such that the neutral makes before and breaks after the live pole for improved safety.

All products to be made in the UK.





RANGE INTRODUCTION

MASTERSEAL PLUS HAS BEEN SPECIFICALLY DEVELOPED FOR USE IN BOTH OUTDOOR AND INDOOR ENVIRONMENTS, AND WHERE WIRING DEVICES AND ACCESSORIES WOULD BE AT RISK FROM PENETRATION BY DUST OR WATER.

With a rating of IP66*, Masterseal Plus™ offers total protection against dust, and is protected against high pressure jets of water from any direction. Masterseal Plus™ sockets can seal around virtually any standard 13A plug – including moulded plugs – allowing safe connection for any appliance.

An improved catch eases the opening and closing of the lid, whilst ensuring the integrity of the seal. The gasket is fixed to the mounting frame of the product, enabling rapid installation, and removing the risk of error when placing a floating gasket.

The Masterseal Plus™ range extends to over 90 product variations as the enclosures house selected products from the Logic Plus portfolio – thus offering all the benefits of the Logic Plus™ range within the Masterseal Plus™ enclosures.

FEATURES & BENEFITS

IP66*

Masterseal Plus™ offers total dust ingress protection, and is protected against high-pressure water jets from any direction, when in use.

Robust Construction and Temperature Tolerant

Masterseal Plus™ will not discolour, crack or fade in UV light (unlike many other plastics), and will maintain operation in extremes of heat and cold.

Impact Protection

Masterseal Plus™ enclosures are made from polycarbonate, one of the toughest thermoplastics available – incidentally also used in products such as motorcycle helmets.

Widest Range

The Masterseal Plus™ range extends to over 90 product variants. The enclosures house products from the Logic Plus™ range, all enclosures and switches are available in Grey, White and Black.

20 Year Guarantee

Masterseal Plus™ is guaranteed for 20 years.
(10 years for electronic products)

*Grid Plus enclosures are IP56

MASTERSEAL PLUS

INGRESS PROTECTED – IP66

MASTERSEAL PLUS IS PERFECTLY SUITED TO A RANGE OF INDOOR AND OUTDOOR ENVIRONMENTS.

Typical installations include factories, swimming pools, laboratories, commercial kitchens, industrial units, warehouses, and cleanrooms.

The wide portfolio of products extends to over 90 product variants providing a solution for every application, ensuring wiring devices and accessories are protected in the toughest conditions.



SOLID PROTECTION

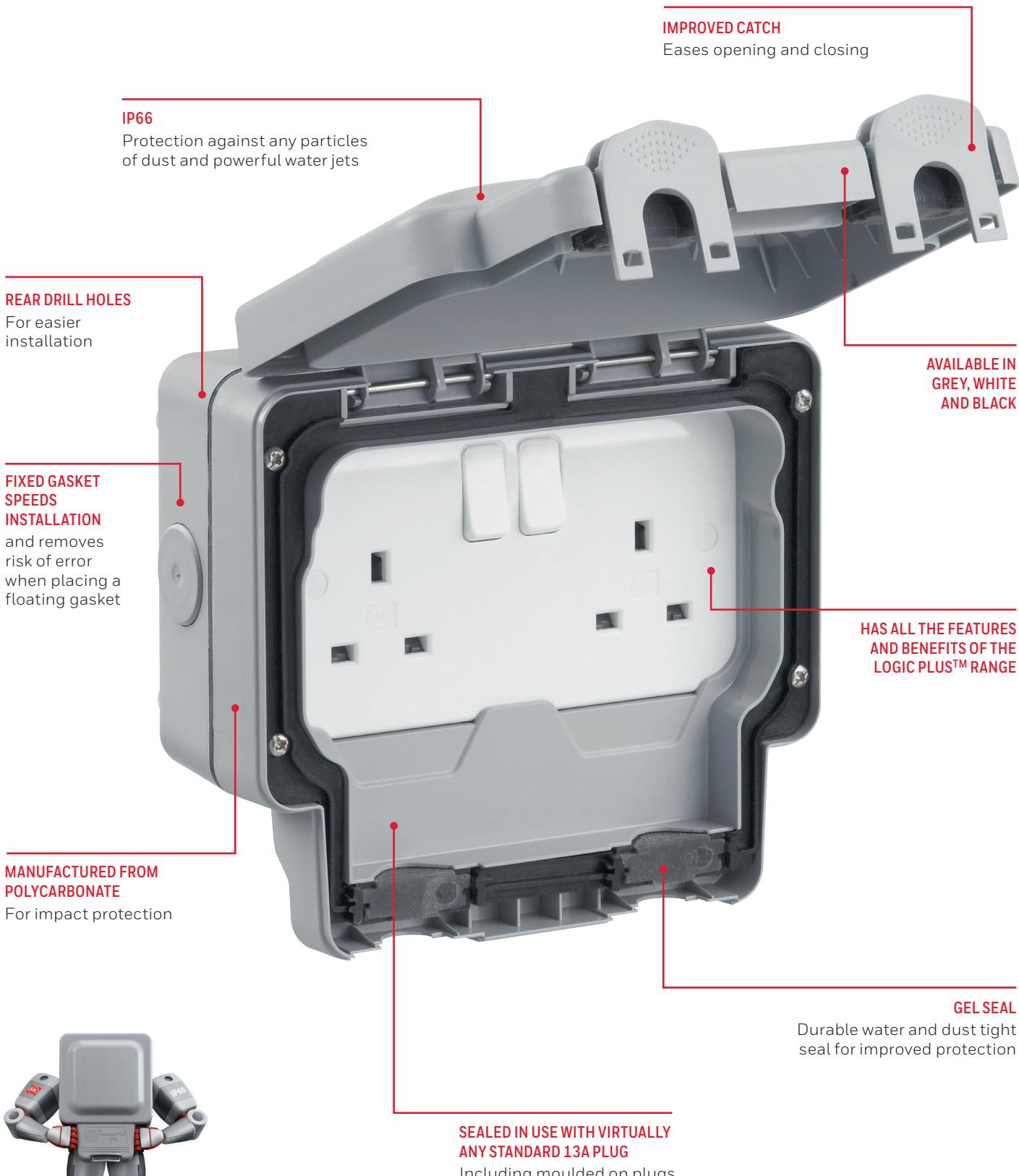
Dust Tight:

No ingress of dust.

Complete protection against contact.



IP SOLUTIONS



Ingress Protection **MASTERSEAL PLUS PRODUCT SELECTOR**

SWITCHSOCKET OUTLETS, TIMER SOCKET OUTLETS AND KEY OPERATED SOCKET OUTLETS		SOCKET OUTLETS					
13 AMP	IP66	RCD PROTECTED	13 AMP	13 AMP	13 AMP	16 AMP IP66 (NON UK)	
	K56486GRY		K56485GRY		K56301GRY		K56480GRY
	K56482BLK		K56485WHI		K56231BLK		K56481WHI
	K56488GRY		K56487GRY		K56233WHI		K56481BLK
							K56483WHI
							K56483BLK

K56486GRY	1	K56485GRY	1	K56301GRY	1	K56480GRY	1	K56483GRY	1
K56486WHI	1	K56485WHI	1	K56301WHI	1	K56480WHI	1	K56483WHI	1
K56486BLK	1	K56485BLK	1	K56301BLK	1	K56480BLK	1	K56483BLK	1
13A DP 1 GANG SWITCHED		13A SP 1 GANG WITH ELECTRONIC TIMER MODULE		1 GANG DP 30mA RATED TRIPPING CURRENT ACTIVE CONTROL CIRCUIT		13A 1 GANG UNSWITCHED K56481GRY		16A 1 GANG 2P+E UNSWITCHED (NON UK)	
K56482GRY	1			K56482WHI	1	K56481WHI	1		
K56482WHI	1			K56482BLK	1	K56481BLK	1		
K56482BLK	1			13A DP 2 GANG SWITCHED	K56482GRY	13A 2 GANG UNSWITCHED	K56482WHI		
13A DP 2 GANG NEON CLEAR COVER				13A 1 GANG DP KEY OPERATED SOCKET	K56488GRY	Fixing holes are for No.8 woodscrews (not supplied).	K56488WHI		
K56488GRY	1			K56488WHI	1		K56488BLK		
K56488WHI	1			K56488BLK	1	Timer Module meets the requirements of IEC 60730-1 and IEC 60730-2-7 Standards	Fixing holes are for No.8 woodscrews (not supplied).		
K56488BLK	1			13A DP SWITCHED 2 GANG NEON CLEAR COVER	K56488GRY		K56488WHI		
Fixing holes are for No.8 woodscrews (not supplied).				2 GANG 30mA RATED TRIPPING CURRENT ACTIVE CONTROL CIRCUIT	K56489GRY	K56489WHI	K56489BLK	K56489GRY	
K56486 has 4 x 20mm entries, 1 on top, bottom and each side and is supplied with an earth terminal in the back box.				2 GANG SP 30mA RATED TRIPPING CURRENT PASSIVE CONTROL CIRCUIT	K56489WHI	K56489BLK	2 GANG SP 30mA RATED TRIPPING CURRENT PASSIVE CONTROL CIRCUIT	K56489WHI	
2 gang backbox has 5 cable entries, 2 on top and 1 centrally on other 3 sides. Supplied with earth terminals in backbox.				K56489BLK			K56489BLK		
DIMENSIONS				Fixing holes are for No.8 woodscrews (not supplied).					
1 gang 157 x 110 x 89mm				Supplied with an earth terminal in the back box. The Sentsrysocket has 5 entries. Suitable for supply voltage of 240V a.c. 50Hz					
2 gang 157 x 175 x 89mm				Standard Shutters.					
BS 1363-2:1995				DIMENSIONS					
IP66 BS EN 60529:1992				157 x 175 x 89mm					
				2 gang 157 x 175 x 89mm					
				BS 1363-2:1995					
				IP66 BS EN 60529:1992					

Masterseal enclosures are manufactured from polycarbonate. This provides an extremely high level of impact resistance. However some chemicals and synthetic oils can harm polycarbonate.

Refer to Technical Hotline for assistance

+44 (0) 1268 563720

Ingress Protection **MASTERSEAL PLUS PRODUCT SELECTOR**

KEY OPERATED SWITCHES	CONNECTION UNITS	SWITCHES	GRID PLUS ENCLOSURES		
20 AMP IP66	13 AMP IP66	10 AMP IP66	10 AMP IP66		
 K56425GRY	 K56410WHI	 K56400GRY	 K56406GRY		
			 K56409GRY		
			 K56414GRY		
 K56425WHI	 K56410BLK	 K56401WHI	 K56407BLK		
			 K56409WHI		
			 K56414WHI		
 K56425BLK	 K56410GRY	 K56402BLK	 K56408WHI		
			 K56409BLK		
			 K56414BLK		
K56425GRY K56425WHI K56425BLK 20A 1 GANG DP KEY OPERATED SWITCH	1 K56410GRY 1 K56410WHI 1 K56410BLK 13A DP 1 GANG SWITCHED, FUSED	1 K56400GRY 1 K56400WHI 1 K56400BLK 10A 1 GANG SP ONE-WAY	1 K56406GRY 1 K56406WHI 1 K56406BLK 10A 1 GANG DP ONE-WAY	1 K56409GRY 1 K56409WHI 1 K56409BLK 20A 1 GANG DP ONE-WAY 'PRESS'	1 K56414GRY 1 K56414WHI 1 K56414BLK MODULAR GRID PLUS ENCLOSURE SUPPLIED WITH 1 AND 2 GANG INSERTS*
Fixing holes are for No.8 wood screws (not supplied). K56425 Backbox has 4 x 20mm entries, 1 on top, bottom and each side and is supplied with an earth terminal in the backbox.	Fitted with a 13A fuse link to BS 1362. Fixing holes are for No.8 wood screws (not supplied). Backbox has 4 x 20mm entries, 1 on each edge, and is supplied with an earth terminal in the backbox.	DIMENSIONS 160 x 117 x 89mm BS EN 60669-1:1999 IP66 BS EN 60529:1992	DIMENSIONS 160 x 117 x 89mm BS 1363-4:1995 IP66 BS EN 60529:1992	DIMENSIONS 160 x 95 x 57mm BS EN 60669-1:1999 IP66 to BS EN 60529:1992	DIMENSIONS 95 x 95 x 80mm BS EN 60669-1:1999 IP56 to BS EN 60529:1992

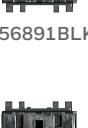
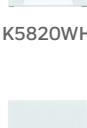
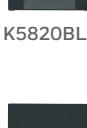
Fixing holes are for No.8 woodscrews (not supplied).
Each switch is fitted with a neon which can be wired as a locator.
The enclosure has 4 x 20mm entries, 1 on top, bottom and each side and is supplied with an earth terminal and a loop terminal in the back box.
These switches (except push switches) do NOT have to be derated when used

These switches (except push with fluorescent or inductive
DIMENSIONS
95 x 95 x 57mm
BS EN 60669-1:1999
IP55 - BS EN 60529-1993

* NOTE: Installers may select any switch or neon modules, excluding dimmers, from Grid Plus range and configure product to suit installation requirements.

Ingress Protection

MASTERSEAL PLUS PRODUCT SELECTOR

SWITCH ENCLOSURES	SWITCH MODULES	NEON MODULES	DATA/TELECOM ENCLOSURES EURO FORMAT	EURO DATA MODULES
IP66	10 AMP	20 AMP	IP66	TELECOM
				 
				 
				

K56420GRY	1	56881BLK	10	56891BLK	10	56889RED	10	K56423GRY	1	K5820WHI	5
K56420WHI	1	10A SP		20A SP		200-250V NEON RED		K56423WHI	1	K5820BLK	5
K56420BLK	1	ONE-WAY		ONE-WAY				K56423BLK	1	TELEPHONE MASTER ONE MODULE	
1 GANG FOR USE WITH ANY ONE SWITCH MODULE		56882BLK	10	56892BLK	10	BS 5733: 2010		1 GANG			
K56421GRY	1	10A DP		20A DP		DATA ENCLOSURE FOR 2 MODULE EURO OUTLET		DATA ENCLOSURE FOR 2 MODULE EURO OUTLET		K5821WHI	5
K56421WHI	1	ONE-WAY		INTERMEDIATE						K5821BLK	5
K56421BLK	1			56893BLK	10						
1 GANG WITH NEON FOR USE WITH ANY SWITCH AND ANY NEON MODULE				20A DP							
K56422GRY	1			ONE-WAY							
K56422WHI	1										
K56422BLK	1										
2 GANG FOR USE WITH ANY TWO SWITCH MODULES											

Fixing holes are for No.8 woodscrews (not supplied).

Each enclosure is fitted with a neon which should be wired as a locator.

The enclosure has

4 x 20mm entries, 1 on top, bottom and each side and is supplied with an earth terminal and a loop terminal in the back box.

NOTE

These enclosures are for use with the Masterseal Plus™ switch and neon modules.

DIMENSIONS

95 x 95 x 57mm

IP66 to BS EN 60529:1992

For use only with Masterseal Plus™ switch enclosures. These switches do NOT have to be derated when used with fluorescent or inductive loads.

For use only with Masterseal Plus™ switch enclosures. These switches do NOT have to be derated when used with fluorescent or inductive loads.

2 data modules can be accommodated providing care is used to ensure that the cables are correctly routed through the outlet.

Fixing holes are for No.8 woodscrews (not supplied). Backbox has 4 x 20mm entries, 1 on each edge. Supplied with an earth terminal and a loop terminal in the backbox.

DIMENSIONS
160 x 117 x 89mm
IP66 to BS EN 60529:1992

For the full range of euro modules see the MK Catalogue

Ingress Protection **MASTERSEAL PLUS PRODUCT SELECTOR**

EURO DATA MODULES	JUNCTION BOXES	FLUSH MOUNTING FRAMES	FLUSH MOUNTING BEZELS	CONDUIT ENTRIES	ACCESSORIES
 5844WHI	30 AMP IP66  K56506GRY	 K56500GRY	 K56502GRY	 56460WHI	 MK9933
 K5887WHI	 K56506WHI (COVER ON)	 56500WHI	 56502WHI	 56462WHI	 56890GRN
 K5887BLK	 K56506WHI (COVER ON)	 K56501GRY	 K56503GRY	 56463WHI	 56464WHI

Ingress Protection

MASTERSEAL PLUS PRODUCT SELECTOR

ECHO™ IS AN INNOVATIVE RANGE OF ENTIRELY WIRELESS, BATTERYLESS AND SELF-POWERED SWITCHES

1 AND 2 CHANNEL TRANSMITTER FOR ECHO™

IP66



K55400GRY

IP66



K55000GRY



K55406WHI



K55406BLK

WIRELESS



BATTERYLESS



SELF-POWERED

WIRELESS

No wires offers the benefits of almost instant switch installation and total location flexibility, resulting in reduced costs and disruption as well as improved speed and ease of installation – invaluable for areas needing to rearrange space periodically, e.g. commercial offices, or those where the channelling of walls isn't permittable or feasible, such as historic buildings or glass partition walls.

BATTERYLESS

No batteries means low maintenance and low running costs. No need to buy, fit, replace or dispose of batteries, eliminating nuisance and waste for a more sustainable option.

SELF-POWERED

The new Echo™ range works by harvesting tiny amounts of ambient energy which power a switch (Transmitter) to send an RF signal to the Switch Receiver which is connected to the lighting circuit – operating lighting at ranges of up to 30 metres within typical buildings.

K55400GRY

K55400WHI

K55400BLK

1 CHANNEL
TRANSMITTER
FOR ECHO™

K55000GRY

K55000WHI

K55000BLK

1

1

1

K55406GRY

K55406WHI

K55406BLK

2 CHANNEL
TRANSMITTER
FOR ECHO™

1

1

1

No wires

- Instant switch installation
- Location/relocation flexibility
- Simplifies office 'churn' – less disruption

No batteries

- Low maintenance
- Low running costs
- Less waste, a more sustainable option
- No nuisance factor

Flexibility

- No wires, no constraints
- Suitable for all wall types, including where channelling isn't feasible
- Ideal for commercial, residential and historic buildings

Quality reliability and safety come as standard

10 year guarantee





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